



MEETING MINUTES

PROJECT: Water Treatment Plant	PAGE: 1 of 2
OWNER: City of Long Beach	PROJECT NUMBER: 08856
MEETING DATE: 8/19/10	CONTRACTOR: Rotschy, Inc.

PRESENT: Casey Danforth, Rotschy, Inc.
Rick Gray, City of Long Beach
Dave Wiebe, PACE Engineers, Inc.

1. COMMENTS ON PREVIOUS MEETING:

- No discussion.

2. SCHEDULE:

- Schedule was discussed as per Casey's updated schedule emailed on 8/18/10.

3. SUBMITTALS:

- No discussion.

4. RFI'S:

- No discussion.

5. PROPOSED CHANGE ORDERS:

- No discussion.

6. CONSTRUCTION ISSUES:

- Discussed carrier pipe and tubing required to connect the new static mixer vault with the chlorine dioxide feed. Rick will check with Harrington Plastics in Tigard for proper tubing.
- Discussed the schedule for the earthwork and associated piping work. Rotschy will go ahead with the berm/pond construction, and start the pipe-work when the ponds are completed. We discussed final shaping and hydro-seeding as it relates to our weather window. It is hoped that hydroseeding can be completed before October 15th. Seed mix, and tackifier specifications were discussed. Dave Wiebe will research and discuss with Rick and Casey. It was agreed that a tackifier agent should be used to enhance the durability of the fiber mat.
- Rick wanted information regarding the chemical feed pump, and sample line pump at the EFM vault. Casey discussed the submittals with Rick, and he approved.
- The ACH fill line detail was discussed. Casey will have to core a penetration through the stem-wall.
- The ability to drain and dry-out the detention pond for maintenance was discussed. Rick Gray would like to modify the pond overflow, #33, to also function as a pond drain by extending the pipe to the pond floor, and lowering the invert elevation to facilitate drainage.
- The drain channels at the roll-up door locations were discussed. Casey questioned the functionality as the concrete aprons drain away from the doors at a 2% slope. Rick will talk to Dan Naughton about this.
- The in-stream/steep slope work below the ponds was discussed. It would be to everyone's advantage to minimize the width of the access into the creek. Would it be possible to place both discharge pipes in a common trench, and eliminate the soakage discharge trench, #83, by discharging the soakage into the filter rock discharge area for the emergency overflow pipe from the detention pond. The rip-rap armor could be placed with an excavator from a mid-point on the slope, eliminating the need for an excavator to operate in the stream channel.
- The roof drains from the downspouts on the WTP building should be located on each corner of the building.
- The City staff is planning to provide poly tubing for the various chemical feeds and sample lines. The question came up as to whether or not the poly tubing would be acceptable in all locations.
- Rick asked that a written directive regarding the process specification for embankment compaction be provided as soon as possible.



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7. CONTRACTOR CONCERNS:

- No discussion.

8. ENGINEER / CITY CONCERNS:

- Rick Gray discussed the need for a bitu-mastic coating on the CIP/EFM vault. In that potable water is not an issue, could the vault be backfilled after the leakage test without the coating, reducing schedule 7 days, and allowing the masonry contractor an earlier start date.
- Rick Gray has requested a 230 volt service at the CIP vault to power a transfer pump. Casey will install a 2" conduit through the WTP south wall to facilitate the change. A weather-tight receptacle can be located on a fence support for the EFM opening.

9. Q & A:

- No discussion.